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MGRRE\_PureOilScoutTickets\_Brydges, Willwan  
H.\_1\_21123007880000

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MGRRE\_PureOilScoutTickets\_Brydges, Willwan H.\_1\_21123007880000

API 21123007880000

Permit Number 788

Lease Name Brydges, Willwan H.

Well Number 1

County Newaygo

Township 11N

Range 13W

Section 12

2021 DEQ or Pure co\_name Atlantic Exploration Company of Delaware

Pure Number 19

Latitude 43.35722

Longitude -85.81339

## THE PURE OIL COMPANY

DATE Sept. 28, 1929

## LOCATION REPORT

No. 19STATE Michigan COUNTY Newago DIST. Ashland SEC. 12 TOWN 11N RANGE 13WWELL No. 1 (SERIAL No. 19) FARM H. Brydges ACRESNAME OF STREAM OR WATERS QUADRANGLE SWOPERATOR Atlantic Exploration Co. MAP Ashland Township, Newago County410 Feet from North Line of Farm600 " " East " " "

" " South " " "

" " West " " "

Feet from North Line of Section

" " East " " "

2230 " " South " " "2040 " " West " " "

## LEGEND

O LOCATION

① RIG

⊕ DRILLING

⊗ GAS WELL

● OIL WELL

⦿ SMALL OIL WELL

⦿ DRY HOLE

⦿ DRY SHOWING OIL

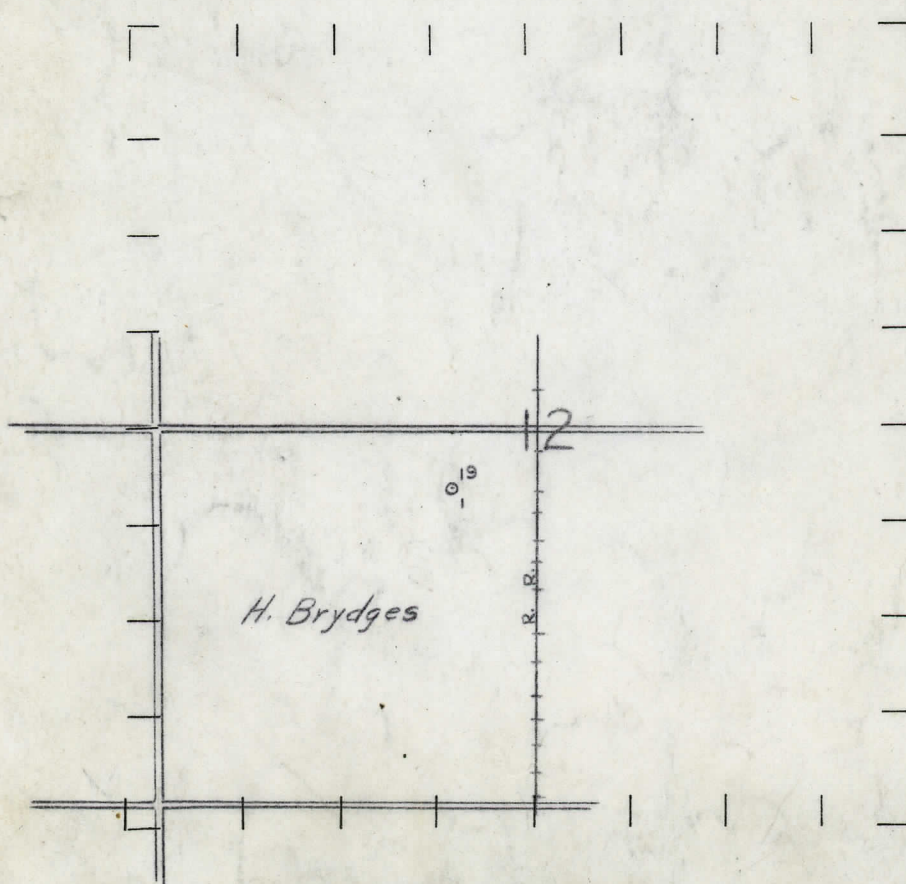
⦿ DRY SHOWING GAS

⦿ ABANDONED LOCATION

⦿ ABANDONED GAS WELL

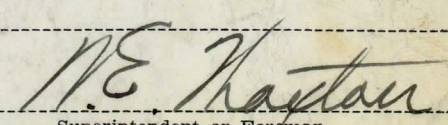
⦿ ABANDONED OIL WELL

NOTE: Below make tracing from map, (when no map is obtainable make sketch) showing farm, center of section, this location with measurements and also wells, dry holes, or other locations in the vicinity of this location. Make copy to keep for reference and send original to Columbus office.



REMARKS:

SIGNED

  
 Superintendent or Foreman.



DIVISION 38' 1955

LOCATION REPORT

No. 12

DATE 12/27

LOCATION REPORT

No.

STATE Michigan COUNTY Newaygo DIST. Ashland SEC. 12 TOWN 11N RANGE 13W  
WELL No. 1 (SERIAL No. 19) FARM H. Brydges ACRES

NAME OF STREAM OR WATERS QUADRANGLE SW

OPERATOR Atlantic Exploration Co MAP Ashland TWP - 1" = 1320'

410 Feet from North Line of Farm

600 " " East " " "

" " South " " "

" " West " " "

Feet from North Line of Section

" " East " " "

" " South " " "

" " West " " "

LEGEND

○ LOCATION

① RIG

⊕ DRILLING

⊗ GAS WELL

● OIL WELL

⬮ SMALL OIL WELL

⬮ DRY HOLE

⬮ DRY SHOWING OIL

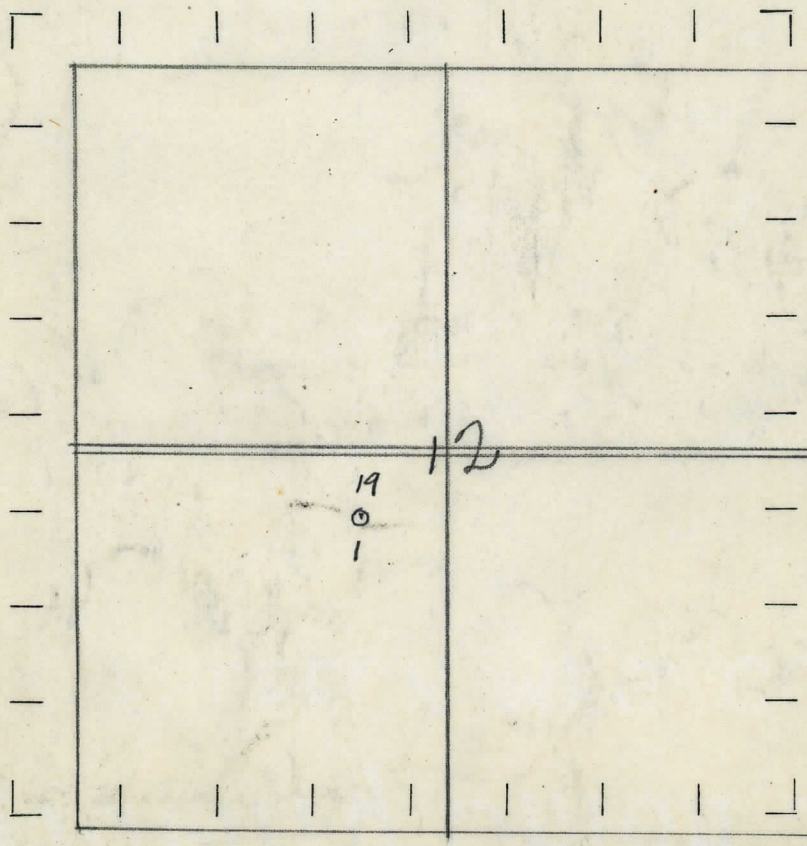
⬮ DRY SHOWING GAS

⬮ ABANDONED LOCATION

⬮ ABANDONED GAS WELL

⬮ ABANDONED OIL WELL

NOTE: Below make tracing from map, (when no map is obtainable make sketch) showing farm, center of section, this location with measurements and also wells, dry holes, or other locations in the vicinity of this location. Make copy to keep for reference and send original to Columbus office.



REMARKS:

SIGNED

W. B. Bell

Superintendent or Foreman.







DESCRIPTION	QUANTITY	MAKE	SIZE	MATERIAL
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DATE August 2, 1930. **Michigan Producing DIVISION** **COMPLETION RECORD** No. -19-

STATE Michigan COUNTY Newaygo DIST. Ashland SEC. 12 TOWN 11 N RANGE 13 W  
PREC.

WELL No. 1 (SERIAL No. 19) FARM H. Brydges ACRES

NAME OF STREAM OR WATERS QUADRANGLE

OPERATOR Atlantic Exploration Co. MAP Newaygo Co., Ashland Twp.

LOCATION REPORT SENT IN (DATE) September 28th, 1929.

WELL STARTED (DATE) September 1929. WELL COMPLETED (DATE) August 2nd, 1930.

~~OIL WELL~~

GAS WELL

~~DRY HOLE~~

~~ABANDONED WELL~~

CROSS OUT THREE OF THE ABOVE  
WELL RECORD

DATE OF SHOT July 25th, 1930. NUMBER OF QUARTS 20 qt.

1st 24 HOURS PRODUCTION 63,000 cu.ft. A.S BARRELS OR FEET  
2nd " " " " " "  
3rd " " " " " "  
4th " " " " " "  
5th " " " " " "

# SAND AND CASING

CASING SIZE	WEIGHT	CASING Feet Inches	SAND Name and Nature	TOP	BOTTOM	TOP PAY	BOTTOM PAY	SALT WATER
14"		420'	Drift	0	445'			
10"		445'	Red rock	1670				
8 1/4"		1111'	Traverse	2417				2465
6 5/8"		2520'	Dundee	2954				3000-3010
5 3/16"		3025'	Rock salt	4428				
			Niagra	5115		5287	5295	
			T.D.	5661'				

REMARKS Shot 5287- 5295' Show gas 4772'  
Test 24 hrs. A.S. 28/10 W.1"  
This well was sent in as completion on July 19th, 1930, with indefinite information  
and completed as dry hole. Well was shot & made some gas.



DESCRIPTION	QUANTITY	MAKE	SIZE	MATERIAL
-------------	----------	------	------	----------

Sec. 12, T. 11 N., R. 13 W., 2230' from south sec. line. 2040' from west sec. line.

Drift 0 - 445'

445 - 800	Blue slate	Plugged and abandoned 8/25/30	
800 - 820	White sand		
820 - 850	Blue slate		
850 - 920	White sand		
920 - 960	Red sand		
960 - 1670	Blue slate		
1670 - 1682	Red lime ( Red Rock)		
1682 - 2226	Shells and slate		
2226 - 2417	Brown shale		
2417 - 2850	Traverse Lime	Top Traverse 2417'	Water 2255, 2463, 2690'
2850 - 2858	Shale break		
2858 - 2861	Sand		
2861 - 2865	Shale break		
2865 - 2975	Dundee Brown lime	Top Dundee 2865'	Show oil 2954
2975 - 2985	Black sand	Salt water 2954-2985'	
2985 - 3000	Brown lime		
3000 - 3455	Lime	H.F.Salt water 3010'	
3455 - 3500	Sand		
3500 - 3620	Lime		
3620 - 3640	Sand		
3640 - 3710	Lime		
3710 - 3800	Slate and shells		
3800 - 3830	Lime		
3830 - 3840	Salt		
3840 - 4000	Dark gray lime		
4000 - 4040	Shell		
4040 - 4265	Salt		
4265 - 4423	Lime		
4423 - 4762	Salt		
4762 - 4822	Lime	Show gas 4772	
4822 - 5115	Salt		
5115 - 5125	Lime - gray	Top Niagaran	
5125 - 5145	Red Lime		
5145 - 5315	Gray lime	Gas 5237-5295	
5315 - 5350	Shell & Slate		
5350 - 5380	Lime red		
5380 - 5417	Lime shells and slate		
5417 - 5660	Lime		
5660 - 5666	Slate		

TOTAL DEPTH 5666

Shot with 20 quarts of nitroglycerine from 5237' to 5295. Production 63,000 cubic feet gas.

14"	416'
10"	445'
8 1/4"	1111'
6 1/4"	2520'
5 3/16"	3055'



# COMPLETION RECORD

No. - 19 -

STATE Michigan COUNTY Newaygo DIST. Ashland SEC. 12 TOWN 11 N RANGE 13 W  
TWP. Ashland  
PREC.

WELL No. 1 (SERIAL No. 19) FARM H. Brydges \_\_\_\_\_ ACRES

NAME OF STREAM OR WATERS \_\_\_\_\_ QUADRANGLE \_\_\_\_\_

OPERATOR Atlantic Exp. Co. MAP Ashland Twp., Newaygo Co.

LOCATION REPORT SENT IN (DATE) 9-28-29

WELL STARTED (DATE) 9-28-29 WELL COMPLETED (DATE) 7-19-30

~~XABANDONED WELL~~

## WELL RECORD

DATE OF SHOT \_\_\_\_\_ NUMBER OF QUARTS \_\_\_\_\_

1st 24 HOURS PRODUCTION \_\_\_\_\_ BARRELS OR FEET

[illegible]

3rd	“	“	“		“	“	“
-----	---	---	---	--	---	---	---

[illegible]

5th " " "

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## SAND AND CASING

[illegible]

REMARKS Gas 2458' water 2459' water 2565' Oil & water 2950' shows gas 5295- 5305' & 5340'

Complete log attached.

SUPT. OR FOREMAN



Record compiled by O. F. Poindexter from samples.

DESCRIPTION	QUANTITY	MAKE	SIZE	MATERIAL
			Thickness feet	Depth feet
Pleistocene and Mississippian:				
No record			920	920
Mississippian:				
Coldwater Formation:				
Gray shale			750	1670
Red limestone			10	1680
Sunbury Formation (?)				
Black shale with red and light gray limestone cavings			10	1690
Gray shale			20	1710
Bedford Formation:				
Greenish gray shale with occasional thin beds of purplish shale and fine grained gray calcareous sand- stone			410	2120
Greenish gray and purplish shale			130	2250
Devonian:				
Antrim Formation:				
Dark gray to black shale			100	2350
Black shale with some greenish shale			10	2360
Black shale with brown limestone (concrete zone)			10	2370
Black shale			40	2417
Traverse Formation:				
Gray shale and shaly limestone			21	2438
Brownish gray limestone			8	2446
Gray limestone			12	2458
Dark buff limestone with gray and black shale ( Good show of gas at 2458' water 2459' )			52	2510
Light buff limestone			50	2560
Light buff limestone with black shale beds (Water at 2565')			30	2590
Black shale			10	2600
Dark buff limestone			40	2640
Light grayish buff limestone (Anhydrite)			20	2660
Dark buff to brown limestone			70	2730
Yellowish buff limestone			30	2760
Grayish buff limestone			30	2790
Brownish gray and buff limestone			30	2820
Buff and gray limestone			10	2830
Fine buff limestone			6	2836
Bell Formation:				
Blue gray calcareous shale (sand from 2844-2847')			21	2857



DESCRIPTION	QUANTITY	MAKE	SIZE	MATERIAL
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Dundee Formation:

Dark buff limestone	55	2912
Grayish buff limestone	5	2917
Dark buff limestone	10	2927
Gray dolomite	5	2932
Light gray dolomite	10	2942
Buff limestone and gray dolomite	5	2947
Dark buff limestone	10	2957
( Show oil and water 2950' )		
(Bottom Dundee)?		
Finely powdered dark buff dolomite	10	2967
Brown dolomite (Soft at 2965')	20	2987
Light brown dolomite	18	3005

Detroit River Formation (Upper Monroe)

Fine yellowish buff dolomite	20	3025
Fine yellowish buff dolomite with possibly some crystallized salt and gypsum	30	3035
Gray and buff dolomite with possibly a little anhydrite	20	3075
Waxy yellowish buff limestone	10	3085
Yellowish buff dolomite with anhydrite	10	3095
Fine yellowish buff dolomite	10	3115
Fine buff dolomite	30	3145
Fine gray and buff dolomite	20	3165
Fine grayish buff dolomite	20	3185
Fine yellowish buff and gray dolomite	20	3205
Brownish buff dolomite- drills coarse	20	3225
Buff gray dolomite with a little anhydrite	40	3265
Brownish buff and brown dolomite and anhydrite	20	3285
Fine light buff dolomite	10	3295
Chiefly anhydrite with buff to brown dolomite	50	3345
Buff dolomite	10	3355
Buff to brown dolomite	10	3365
Grayish buff dolomite and a little anhydrite	20	3385
Yellowish buff dolomite with a little anhydrite	50	3435
Grayish buff dolomite with a little anhydrite	20	3455

Sylvania Formation:

Brown sandy dolomite	30	3485
Dark buff to brownish dolomite	20	3505
Brown sandy dolomite	10	3515
Buff gray dolomite	10	3525
Buff gray cherty dolomite	10	3535
Buff gray dolomite	30	3565
Grayish brown dolomite	40	3605
Brownish gray dolomite with gypsum, crystallized salt and possibly celestite	10	3615
Yellowish buff slightly sandy dolomite	20	3635
Gray sandy dolomite with a little gypsum	10	3645

Silurian:

Bass Island Formation (Lower Monroe)

Gray dolomite- drills coarse	20	3665
Light grayish buff dolomite	10	3675
Brownish buff dolomite	10	3685
Blue gray dolomite	20	3705
Gray dolomite	30	3735
Red and gray dolomite	20	3755



Dark buff limestone	10	3838
Grayish buff limestone	2	3878
Dark buff limestone	22	3878
Ranger Collection:		

Gray dolomite	30	3785
Grayish buff dolomite	10	3795
Dark brown dolomite	10	3805
Gray dolomite	20	3825
Brown dolomite	10	3835
Gray dolomite	10	3845
Gray and brown dolomite	80	3865
Light gray dolomite and anhydrite	20	3885
Light and dark gray dolomite	10	3895
Buff gray dolomite	70	3965
Gray shaly dolomite	60	4025

Salina Formation:

Gray dolomite with a little salt	10	4035
Light colored salt	10	4045
Darker salt	40	4085
Salt and brownish gray dolomite	20	4105
Dark salt	30	4135
Lighter salt	30	4165
Dark salt	10	4175
Lighter salt	10	4185
Dark salt	20	4205
Light colored salt	20	4225
White salt	10	4235
Light colored salt	10	4245
White salt	10	4255
Darker salt	10	4265
Fine grained light grayish buff argillaceous salty dolomite	20	4285
Very fine yellowish buff argillaceous salty lime dolomite	10	4295
Grayish brown limestone	100	4395
Brownish gray limestone	20	4415
Fine buff limy argillite	10	4425
Light colored salt	20	4445
Dark colored salt	140	4585
Light colored salt	80	4665
Dark colored salt	97	4762
Grayish brown limestone and salt	5	4767
Fine light brown dolomite	5	4772
Dark brown dolomite	10	4782
Fine buff brown dolomite	10	4792
Brown dolomite	10	4802
Fine buff brown dolomite	10	4812
Dark reddish brown dolomite	10	4822
Light brown salt	20	4842
Dark brown salt	43	4885
Reddish brown salt	40	4925
Brown salt	90	5115
Light buff limestone	2	5117
Buff gray limestone	7	5124

Niagaran Group:

Light buff gray limestone- drills fine	6	5130
No sample	5	5135
Light buff gray limestone- drills coarser	5	5140
Light buff gray limestone-drills fine to coarse	5	5145
Red limestone	20	5165
Reddish limestone	5	5170



Light gray and reddish limestone	5	5175
Light reddish brown limestone	10	5185
Light yellowish buff limestone	10	5195
Red limestone	10	5205
Dark red limestone	15	5220
Buff gray limestone	10	5230

**Lockport (?) Formation:**

Yellowish to brownish buff limestone	15	5245
Buff, gray and grayish brown limestone	5	5250
Yellowish buff limestone	5	5255
Light grayish buff cherty limestone	20	5275
Buff to grayish buff and brown slightly cherty dolomite	15	5290
Brownish buff to brown cherty dolomite	25	5315

**Rochester Formation:**

Gray limy shale and shaly limestone	20	5335
Gray limy shale and grayish brown variegated limestone	20	5355
Buff to brownish buff limestone	10	5365

**Cataract Formation (Cabots Head Shale Member)**

Dark purplish red and and green limy shale	10	5375
Dark gray limy shale	10	5385
Dark purplish red, gray and greenish limy shale	10	5395
Dark gray limy shale	10	5405

**Manitoulin Member:**

Gray limy shale and gray limestone	85	5490
Buff to dark brown	50	5540
Grayish buff limestone	10	5550

**Ordovician:**

**Richmond & Lorraine Formations:**

**Cincinnatian Group:**

Gray shale and gray limestone	10	5560
Greenish limy shale	10	5570
Gray shale and light gray limestone	10	5580
Grayish brown variegated limestone	50	5630
Dark gray limestone	31	5661

**Total depth 5661'**



C O R R E C T E D

Form 243 15M 1-6-30 P100 POCO

## THE PURE OIL COMPANY

Michigan Producing

DIVISION

DATE December 20, 1930.

## COMPLETION RECORD

No. -19-STATE Michigan COUNTY Newaygo DIST. TWP. Ashland SEC. 12 TOWN 11 N RANGE 13 WWELL No. 1 (SERIAL No. 19) FARM H. Brydges ACRESNAME OF STREAM OR WATERS QUADRANGLE S<sup>N</sup>OPERATOR Atlantic Exp. Co. MAP Ashland Twp., Newaygo Co.LOCATION REPORT SENT IN (DATE) 9-28-29WELL STARTED (DATE) 9-28-29 WELL COMPLETED (DATE) 7-19-30☒ OIL WELL☐ GAS WELL☐ DRY HOLE☒ ABANDONED WELL

CROSS OUT THREE OF THE ABOVE

## WELL RECORD

DATE OF SHOT NUMBER OF QUARTS

1st 24 HOURS PRODUCTION BARRELS OR FEET

2nd " " " " " "

3rd " " " " " "

4th " " " " " "

5th " " " " " "

## SAND AND CASING

CASING SIZE	WEIGHT	CASING Feet Inches	SAND Name and Nature	TOP	BOTTOM	TOP PAY	BOTTOM PAY	SALT WATER
			Redlime	1670				
			Traverse	2417				
			Beal shale	2836				
			Dundee	2857				
			Upp/Monroe	3005				
			Sylvania	3455				
			Salina	4025				
			Niagra	5124				
			Total depth	5661'				

REMARKS Gas 2458' water 2458' Oil & water 2950' shows gas 5295-& 5340'

NOTE:—MAKE COPY TO KEEP FOR REFERENCE AND SEND ORIGINAL TO CHICAGO OFFICE. LIST MATERIAL CHARGEABLE TO WELL ON OTHER SIDE.

SIGNED

SUPT. OR FOREMAN